

SWADLINCOTE DISTRICT
URBAN DISTRICT COUNCIL.

ANNUAL REPORT

OF
THE MEDICAL OFFICER OF HEALTH
FOR
THE YEAR 1910.

JOHN HAMILTON, M.D.



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SWADLINCOTE
DISTRICT URBAN DISTRICT COUNCIL.

MEDICAL OFFICER'S REPORT.
FOR 1910.

MR. CHAIRMAN AND GENTLEMEN,

I beg leave to present to you my Annual Report on the Health and Sanitary Conditions of the District, my 34th Report.

Situation.

The vital statistics are satisfactory, but for a continued slight fall in the birth-rate.

The total number of infectious diseases was almost the same as last year.

The district is situated in the extreme south of the County of Derby.

The main elevation is 250 feet above sea level.

Geology.

Almost throughout the whole of the district a clay sub-soil, in part argillaceous, and with coal at various depths.

The situation of the district is N. lat.:52·40, W. long : 1·38.

Area. The area of the district is 3,415 acres, the water area is five acres.

Population. The population of the District I have estimated to the middle of the year 1910, as being 21,000.

The principal industries of the place is in Collieries, Sanitary, Pipe Works and Potteries.

House Accommodation. House accommodation is adequate and fit. The number of houses is 4,069, the number of empty houses is 51.

The open spaces are many, and the cleanliness of the surroundings are good.

Supervision over the erection of new houses is in every way satisfactory, but the occupation of a new house before it is dry ought to be prevented.

Water Supply. The water supply of the whole of the District is satisfactory.

The population to the acreage is 6.14.

Birth-rate. The total number of births registered during the year was 586 ; 333 males and 253 females,

The birth-rate for the year was 27.90, as compared with

1906	-	32.25	} per 1,000
1907	-	28.56	
1908	-	29.6	
1909	-	33.09	

This equals a net increase during the year of 127 males and 165 females.

Deaths.

The number of deaths in the District was 194; 106 males and 88 females, giving a death-rate of 9·23.

Twelve males and one female belonging to the District, but whose deaths took place outside, brings the total deaths up to 207, giving a death-rate of 9·85 per 1,000.

Death-rate for 1906	-	12·22	} per 1,000
1907	-	11·15	
1908	-	12·19	
1909	-	12·57	

The number of deaths from zymotic causes was 19, giving a death-rate ·7 from Epidemic diseases, Enteric and Diarrhœa ·04 and ·2 from Phthisis, making a total of ·90 per 1000.

Death rate from zymotic causes was in

1906	-	1·47	} per 1,000
1907	-	1·55	
1908	-	1·69	
1909	-	·58	

The mortality under one year was 66, giving a death-rate of 112·62 per 1,000 of births registered, as compared with

1906	-	117·92	} per 1,000
1907	-	98·4	
1908	-	118·92	
1909	-	94·65	

The death-rate from 65 and upwards was 46, giving a death-rate of 2·19 per 1,000, as compared with

1906	-	2·63	} per 1,000
1907	-	3·1	
1908	-	2·28	
1909	-	3·2	

TABLE I.—Vital Statistics of Whole District during 1910 and previous Years.

Year.	Population estimated to Middle of each Year.	Births		Total Deaths Registered in the District.						Deaths of Non-residents registered in Public Institutions in the District.		Deaths of residents registered in Public Institutions beyond the District.		Nett Deaths at all Ages belonging to the District	
				Under 1 Year of Age.		At all Ages.		Number	Rate.*						
		Number.	Rate.*	Num-ber.	Rate per 1,000 Births Registered.	Number.	Rate.*			9	10	11	12	13	
I	2	3	4	5	6	7	8	9	10	11	12	13			
1900	17,602	642	36.47	88	137.07	233	13.2				233	13.2			
1901	18,117	656	36.20	82	125.0	254	14.01				254	14.01			
1902	18,450	664	35.98	94	141.56	292	15.8			14	306	16.05			
1903	18,675	669	35.82	63	94.17	194	10.38			11	205	10.97			
1904	19,043	641	33.66	74	115.4	241	12.65			16	257	13.49			
1905	19,445	668	34.35	75	112.27	204	10.49			12	216	11.10			
1906	19,716	636	32.25	75	117.92	225	11.41			16	241	12.22			
1907	19,986	569	28.46	56	98.4	223	11.15			19	242	12.10			
1908	20,164	597	29.6	71	118.92	236	11.20			10	246	12.19			
1909	20,342	572	28.11	53	92.65	197	9.68			14	211	10.37			
Averages for years 1900-1909.	19,154	631	33.09	73	115.33	229	11.99	Nil	Nil	Nil	241	12.57			
1910	21,000	586	27.90	66	112.62	194	9.23	Nil	Nil	13	207	9.85			

* Rates in Columns 4 and 8 should be calculated per 1,000 of the estimated gross population.

NOTE.—The deaths to be included in Column 7 of this Table are the whole of those registered during the year as having actually occurred within the district or Division. The deaths to be included in Column 12 are the number in Column 7, corrected by the subtraction of the number in Column 10 and the addition of the number in Column 11.

By the term "Non-residents" is meant persons brought into the district on account of sickness or infirmity, and dying in Public institutions there; and by the term "Residents" is meant persons who have been taken out of the district on account of sickness or infirmity, and have died in public institutions elsewhere.

The "Public institutions" to be taken into account for the purposes of these Tables are those into which persons are habitually received on account of sickness or infirmity, such as hospitals, workhouses and lunatic asylums.

The following Table gives the details of the Mortality in the District of Swadlincote during the year 1910.

TABLE IV.

Causes of Death,	All Ages.	Under 1 year.	1 and under 5	5 and under 15	15 and under 25	25 and under 65	65 and upwards
Measles - - -	- 12	- 3	- 9	- 0	- 0	- 0	- 0
Epidemic Influenza -	- 3	- 0	- 0	- 0	- 0	- 2	- 1
Diarrhœa - -	- 1	- 1	- 0	- 0	- 0	- 0	- 0
Enteritis - -	- 3	- 2	- 1	- 0	- 0	- 0	- 0
Gastritis - -	- 4	- 2	- 1	- 0	- 0	- 0	- 1
Puerperal Fever -	- 1	- 0	- 0	- 0	- 0	- 1	- 0
Phthisis (Pulmonary Tuberculosis -	- 6	- 0	- 1	- 0	- 1	- 4	- 0
Other Tuberculous Diseases	7	- 1	- 4	- 1	- 1	- 0	- 0
Cancer, Malignant Disease	6	- 0	- 0	- 0	- 0	- 5	- 1
Bronchitis - -	- 19	- 8	- 1	- 0	- 3	- 3	- 7
Pneumonia - -	- 13	- 8	- 1	- 1	- 1	- 0	- 2
Other Diseases of Res- piratory Organs -	- 1	- 0	- 0	- 0	- 0	- 1	- 0
Alcoholism (Cirrhosis of Liver) - -	- 1	- 0	- 0	- 0	- 0	- 1	- 0
Venereal Diseases -	- 1	- 1	- 0	- 0	- 0	- 0	- 0
Premature Birth -	- 14	- 14	- 0	- 0	- 0	- 0	- 0
Diseases and Accidents of Parturition -	- 1	- 0	- 0	- 0	- 0	- 1	- 0
Heart Diseases -	- 16	- 1	- 0	- 1	- 1	- 8	- 5
Accidents - -	- 6	- 1	- 1	- 0	- 2	- 1	- 1
All other Causes -	- 79	- 25	- 5	- 3	- 2	- 16	- 28
All Causes -	194	- 67	- 24	- 6	- 8	- 46	- 46

Illegitimate
Deaths.

There were 6, viz. 3 males and 3 females.

Illegitimate
Births.

The number was 19, viz. 11 males and 8 females.

Notification of
Birth Act.

This Act was considered by your Council, but it was resolved that at present it should not be adopted.

TABLE IV, see page 7.

Deaths from
Tubercular
Diseases.

During the year 6 deaths were registered from Pulmonary Tuberculosis, a decrease of four on the previous year.

This is equal to Phthisical rate of 0·2 per 1,000.

Tubercular disease, other than Phthisis, caused seven deaths giving a death-rate for other forms of Tuberculosis of 0·33.

I have to report an increase in the deaths from Tubercular disease.

The Public Health (Tuberculosis) Regulation Acts, 1908, the provision of these regulations, is a step in the right direction :—

The houses in which the deaths occurred were disinfected, and instructions given to the patients, and those about them to see that the sputa was destroyed by burning, and further measures taken for its prevention.

Cancer,

Cancer and other malignant diseases accounted for six deaths, five less than in the previous year. No case happened in a house in which cancer previously occurred.

The second part of my report, in the following table, deals with infectious diseases notified during the year. From the table it will be seen that 70 cases were notified, as compared with 66 cases in the previous year, a slight increase in the number to that in the previous year.

The age distribution of the diseases notified is shown in the following table.

TABLE III.

Notifiable Disease.	At all Ages.	Under 1	1 to 5	5 to 15.	15 to 25.	25 to 65.	65 and upwards
Diphtheria (including Membranous Croup) -	8	0	1	2	2	3	0
Erysipelas - - -	21	0	1	2	4	12	2
Scarlet Fever - - -	32	1	11	19	0	1	0
Enteric Fever - - -	7	0	0	3	1	3	0
Puerperal Fever - -	2	0	0	0	1	1	0
Totals	70	1	13	26	8	20	2

Scarlet Fever.

In all 32 cases were notified to me during the year, as compared with 30 cases in the previous year. The disease was of a mild type, and was evenly distributed during the year. No deaths arose from this disease.

Enteric Fever.

Seven cases were notified to me during the year, five more cases than in last year. After a painstaking enquiry, no cause could be assigned in either cases. No deaths arose from this disease.

Erysipelas.

Twenty-one cases were notified to me during the year. No deaths were reported from this cause.

Measles.

Twelve deaths were registered from this cause.

Diphtheria.

Eight cases were reported to me during the year, but no deaths arose from this cause.

The milk supply in each case was enquired into with a negative result.

Puerperal Fever.

Two cases of Puerperal Fever were notified to me during the year. The cases were all attended by qualified men. One death was reported from this cause.

The usual disinfection was carried out.

Whooping Cough
and Chicken Pox.

No cases of these diseases occurred to my knowledge during the year.

School Closure.

No occasion arose for closing the schools during the year.

Diarrhoea and
Enteritis.

Four deaths were registered from these causes during the year, as compared with 2 in the previous year.

Bronchitis and
Pneumonia.

In all 32 cases of death were registered from these causes, as compared with 30 in the previous year.

Occupational
Mortality.

In the case of Colliers their health is good, but their mortality from accidents is to be reckoned with.

In all a Coroner's jury brought in a verdict of accidental death during work in one case during the year, and in the case of a female, a verdict of chronic lead poisoning was the result of the inquest.

In this connection I may observe that the number of cases of lead poisoning in this District is very small.

Altogether there were 3 inquests, one of which was run over by a truck, one of natural causes and one accidentally drowned.

Fourteen cases were reported to the Coroner, in which he considered an inquest unnecessary, but which were unattended by a medical man.

I am able to report very favourably of the assistance rendered me by your Sanitary Inspector, whose report I herewith attach.

Elementary
Schools.

A thorough inspection, several times during the year, has been made of these by me, and I am able to report a continued satisfactory sanitary condition of their state.

Slaughter Houses
and Food
Establishments.

The number of slaughter houses in the District is 34.

Of these I have made a thorough inspection, and find them in a satisfactory condition. They should be visited at the time of slaughtering by an Inspector with a special certificate in meat inspection. No carcass or parts of carcass were found Tuberculous.

A public slaughter house is desirable.

These are questions I have frequently urged upon the Council's consideration.

Water-closets.

During the year 45 privies have been converted into water-closets, and in the erection of new houses, the W.C. system is adopted. There are at present 1,230 W.C.'s in the District. There are 2,743 privy middens, 50 pailclosets, slop closets 34.

No examination of Dairy Cows in the District, for Tuberculosis, was made by a Veterinary Surgeon during the year, nor has occasion arisen to have the milk of any dairy examined for Tuberculosis.

Water Supply. There are 3,999 houses supplied by public water, 70 supplied from surface wells.

The County Analyst has pronounced the supply satisfactory,

Common Lodging Houses. Of these we have none in the District.

Factory and Workshops Act 1901. There are in the District 35 bakehouses, 33 tailors, dressmakers and milliners, 16 carpenters and wheelwrights, 2 cratemakers and 39 other factories, such as pipe and sanitary works, &c., I have periodically and systematically visited the factories and workshops throughout the District, and find that all in the matter of air, space, cleanliness, ventilation and other conditions specified under the Act, that they are in a satisfactory state.

Sewerage and Drainage. The sewerage of the District, I am glad to say, remains satisfactory, and the scavenging is done systematically and well.

Water-closets. The number of water-closets throughout the District, have been very much increased, and no doubt will go on increasing, owing to the steps the Council have taken in the matter.

Infectious Disease Hospital. I would again ask the Council's consideration of the necessity of providing an Infectious Hospital for the District.

I have made my usual periodic and systematic inspection of the District, including cowsheds, dairies and bakehouses and find them in a satisfactory condition.

Inspection of
Schools.

The medical inspection of school children, has been carried out by an Inspector appointed by the County Council.

I have by monthly reports and otherwise, informed you as to the health of the District.

No case of diseased meat was offered for sale and no occasion arose to take proceedings under the Adulteration of Food's Act, or in the matter of offensive trades.

I am, Gentlemen,

Yours obediently,

JOHN HAMILTON.

Factories. Workshops, Laundries, Workplaces and Homework.

INSPECTION.—Including Inspections made by Sanitary Inspectors or Inspectors of Nuisances.

Factories (including Factory Laundries)	} Each Inspected at least twice in the year. No written notices or prosecution.
Workshops (including Workshop Laundries)	
Workplaces - - - - -	

REGISTERED WORKSHOPS.

Bakehouses - - - - -	35
Tailors, Dressmakers and Milliners - - - - -	33
Carpenters and Wheelwrights - - - - -	16
Crate Makers - - - - -	2
Other Factories, such as Pipe and Sanitary Works, etc.	39
<hr/>	
Total number of Workshops on Register -	125

The following Table shows the Infantile Mortality for the Swadlicate District during the year 1910.

TABLE V.

CAUSE OF DEATH,		Under 1 Week	1-2 Weeks	2-3 Weeks	3-4 Weeks	Total under 1 month	1-2 Months	2-3 Months	3-4 Months	4-5 Months	5-6 Months	6-7 Months	7-8 Months	8-9 Months	9-10 Months	10-11 Months	11-12 Months
Measles -	-	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0
Diarrhoea, all forms	-	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Enteritis, Muco-enteritis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gastro-enteritis	-	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0
Gastritis, Gastrointestinal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Catarrh -	-	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Premature Birth	-	9	2	0	2	13	1	0	0	0	0	0	0	0	0	0	0
Congenital Defects	-	3	0	0	1	4	0	0	0	0	0	0	0	0	0	0	0
Atrophy, Debility, Marasmus	-	0	0	0	0	0	0	2	0	0	2	0	0	0	1	0	0
Other Tuberculous Diseases	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Syphilis -	-	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Convulsions -	-	3	0	1	1	5	0	0	1	0	0	0	1	0	0	0	1
Bronchitis -	-	0	0	1	0	1	1	0	0	0	0	1	0	1	1	0	0
Pneumonia -	-	0	0	0	0	0	0	1	0	1	1	1	0	0	0	3	1
Other Causes -	-	3	3	1	1	8	1	0	1	1	0	0	1	1	1	0	0
		18	5	3	3	31	3	4	2	4	3	3	2	3	4	5	2

Total Deaths under One year - 66.
Births in the year: Legitimate, 567; Illegitimate 19.

Summary of SANITARY WORK done in the
Inspector of Nuisances' Department during the year
1910, in the Urban Sanitary District of Swadlincote,
containing an area of 3,415 acres.

DESCRIPTION OF NUISANCE.	Informal Notices served by Sanitary Inspector.	Legal Notices served by Local Authority.	Nuisances abated.
Defective Traps, Inlets and Drains - - - - -	1	1	2
Drains Obstructed - - - - -	2	1	7
Insanitary Privies and Ashpits - - - - -	4	1	8
Insufficient Closet Accommodation - - - - -	2	1	4
Conversion of Privies into W-C.'s - - - - -	4	2	45
Overcrowding - - - - -	2	1	3
Totals - - - - -	16	7	128

The usual preventative steps were taken by the Inspector against the spread of Infectious Disease.

DWELLING HOUSES.

Estimated Number of Houses - - - - -	4,069
New Houses erected during 1910 - - - - -	22
Repaired - - - - -	24
Closed as unfit for Habitation - - - - -	2
Infected Houses Disinfected - - - - -	33

DAIRIES, COWSHEDS AND MILKSHOPS.

Number on Register	-	-	-	-	-	-	42
Number of Inspections	-	-	-	-	-	-	126

BAKEHOUSES.

Number on Register	-	-	-	-	-	-	35
Number of Inspections	-	-	-	-	-	-	105

SLAUGHTERHOUSES.

Number on Register	-	-	-	-	-	-	34
Number of Inspections	-	-	-	-	-	-	102
Total Number on Register	-	-	-	-	-	-	111
Total Number of Inspections	-	-	-	-	-	-	333

JABEZ HARVEY,

Inspector of Nuisances.

DERBYSHIRE COUNTY COUNCIL.

Urban Sanitary District of Swadlincote District.

ANNUAL REPORT.

GENERAL STATISTICS.

AREA IN ACRES			
Land	-	-	3,410 acres
Water	-	-	5 acres
			<hr/> 3,415 acres

	Census, 1891.	Census, 1901.	Estimated, 1910.
Population	- 13,889	18,014	21,000
Inhabited Houses	2,667	3,454	4,018
New Houses erected during the year		-	22
Rateable Value	-	- £68,489	os. od.
Assessable Value	-	- £60,227	os. od.
General District Rate-		-	3/7 in the £

VITAL STATISTICS.

Birth Rate	-	-	27.90
Infantile Mortality	-	-	112.62

DEATH-RATES PER 1,000.

All causes	-	-	9.23
Epidemic Diseases	-	-	.7
Enteric Fever and Diarrhœa	-	-	.04
Phthisis	-	-	.2

Occupations of Inhabitants:—Colliers, Potters and Farmers.

The Influence on Health is infinitesimal. One Death occurred during the year.

House Accommodation - - - - Good

Houses Closed during the year as unfit for habitation 2

Excrement Disposal:—Approximate number of Houses with

Privy Middens	-	-	-	2,743
Pail Closets	-	-	-	50
Water Closets	-	-	-	1,230
Slop Water Closets	-	-	-	34

No. of Houses converted from Privy Middens to Water Closets, 45.

No of Defective Privies improved - 8

Population for which there is Public Scavenging - 21,000

Scavenging done by Council Workmen.

Costs of Scavenging and Cost per House per annum - 7/7

Details of Scavenging:—Removed when necessary and carted on to farm land in various parts of the District.

Date of Building Bye-Laws - - - 1871

No of Houses supplied by Public Water Supply - 3,999

Nature of such Water Supply:—Pronounced by County Analyst to be of satisfactory quality.

No. of Houses supplied from Surface Wells - 70

Action taken with regard to places over which Council have supervision:—All Inspected periodically by Sanitary Inspector.

Lodging-Houses - - Bye-Laws, 25th Nov., 1871

Slaughter-Houses - - " "

Dairies and Cowsheds - - 14th Jan., 1908

Bakehouses - - " "

Offensive Trades - - " "

Sanitary condition of Schools and action taken with regard thereto:—Conveniences all worked on the water-carriage system, and all inspected periodically.

Details of method of Disinfection and Disinfectants used:—

House visited by Inspector, Children kept from School, Disinfectants supplied and Room Disinfected on recovery of patient.

